5

10

15

20

CLAIMS

WHAT IS CLAIMED IS:

- 1. A particulate tape, comprising:
- a first material, wherein said first material is electrophoretically deposited.
 - 2. The particulate tape of claim 1, wherein said first material is generally dielectric.
 - 3. The particulate tape of claim 2, wherein said dielectric material includes barium titanate.
 - 4. The particulate tape of claim 1, wherein said particulate tape is substantially uniform and continuous.
 - 5. The particulate tape of claim 1, wherein said first material is deposited in a pattern corresponding to a patterned electrode.
 - 6. The particulate tape of claim 1, wherein said first material is generally conductive.
 - 7. The particulate tape of claim 6, wherein said conductive material includes silver.
 - 8. The particulate tape of claim 6, wherein said conductive material includes nickel.
 - 9. The particulate tape of claim 6, wherein said conductive material is in a pattern corresponding substantially to a patterned electrode.

5

10

15

20

includes barium titanate.

	10. The particulate tape of claim 1, further including a secon	
material.		
material.		
	11. The particulate tape of claim 10, wherein said second materia	
is formed at l	east partially on said first material.	
	12. The particulate tape of claim 10, wherein said second materia	
is formed adi	acent to said first material.	
io ioiiiioa aaj		
	13. The particulate tape of claim 10, wherein said second materia	
is electrophor	retically deposited.	
	14. The particulate tape of claim 10, wherein said first material is	
-14 1 4	1	
electrophoreu	ically deposited on said second material.	
	15. The particulate tape of claim 10, wherein said first material is	
generally conductive and said second material is generally dielectric.		
	16. The particulate tape of claim 15, wherein said dielectri	
material includes barium titanate.		
/		
	17. The particulate tape of claim 10, wherein said first material is	
continuous th	rough the thickness of the tape.	
continuous tri	additing the thickness of the tape.	
1		
	18. A method for producing a particulate tape, comprising:	
	electrophoretically depositing a first material on a carrier.	
	10. The mosth of a fair 10 when in said first material is consmit	
	19. The method of claim 18, wherein said first material is generall	
dielectric.		
	20. The method of claim 19, wherein said dielectric materia	

	21. The method of claim 18, wherein said first material is generally
	conductive.
	22. The method of claim 18, further including the step of
	transferring said first material to another tape.
	23. The method of claim 18, further including forming a second
	material.
	24. The method of claim 23, wherein said second material is
	formed at least partially on said first material.
	25. The method of claim 23, wherein said second material is
	formed adjacent to said first material.
,	26. The method of claim 23, wherein said second material is
	electrophoretically deposited.
	27. The method of claim 26, wherein said first and second materials are deposited by energizing a plurality of electrodes.
	materials are deposited by energining a practicity of energiness.
	The method of claim 27, wherein the plurality of energized
	electrodes are electrically isolated from each other.
	The method of claim 23, wherein said first material is continuous
	through the thickness of the particulate tape.
	30. An apparatus for forming a particulate tape, comprising:
	a carrier having a conductive surface;
	an electrophoretic deposition bath containing a counter electrode; and

a means for applying an electric potential between the conductive surface of the carrier and the counter electrode.

31. The apparatus of claim 30, further including more than one electrophoretic deposition bath.